

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10101671
PUBLICATION DATE : 21-04-98

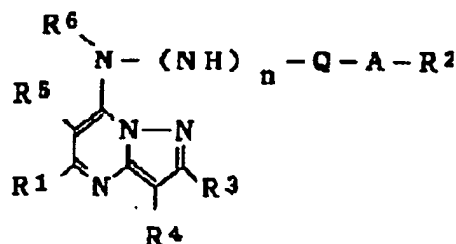
APPLICATION DATE : 01-08-97
APPLICATION NUMBER : 09207867

APPLICANT : OTSUKA PHARMACEUT FACTORY
INC;

INVENTOR : YASUDA TSUNEO;

INT.CL. : C07D487/04 A61K 31/505 A61K 31/505

TITLE : NITROGEN MONOXIDE SYNTHASE
INHIBITOR



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject inhibitor useful as an endotoxin shock remedy or a preventive/therapeutic agent for septicemia, containing a pyrazolo[1,5-a]pyrimidine derivative as active ingredient in combination with a support.

SOLUTION: This nitrogen monoxide synthase inhibitor contains, as active ingredient, a pyrazolo[1,5-a]pyrimidine derivative of the formula [R₁ is H, a (substituted) lower alkyl, cycloalkyl, (substituted) phenyl, etc.; R₂ is naphthyl, a cycloalkyl, furyl, etc.; R₃ is H, phenyl or a lower alkyl; R₄ is H, a lower alkyl, (substituted) phenyl, etc.; R₅ is H or a lower alkyl; R₆ is H, a lower alkyl, etc.; Q is carbonyl or sulfonyl; A is a single bond, lower alkylene, etc.; (n) is 0 or 1], in combination with a nontoxic support. The daily dose of this inhibitor is 0.5-20mg/kg body weight. The compound of the formula is e.g. 5-n-butyl-7-(3,4,5-trimethoxybenzoylamino) pyrazolo[1,5-a]pyrimidine.

COPYRIGHT: (C)1998, JPO